

**Bouvet - 3Y** The 3Y5X operation is scheduled to leave Bouvet on Jan. 13, after more than two weeks on the island. The intentional jamming, obscenities, etc., have slacked off. They have been sticking to their published transmit frequencies, except they have been 65 kHz up on RTTY. With the cancellation of the *Saturday Evening Post* Society's Antarctic DXpedition (at least for this year), the Club Bouvet operation is the DXer's best bet to work this rare spot.

**Little Cayman - ZF8** Ray NR1R will be active as ZF2OR/ZF8 Jan. 15-22, mainly CW. Watch 3502, 7005, and 25 kHz up on the higher bands. QSL home call. He will be accompanied by Bob AA1M, who will use the call ZF2OS/ZF8, mainly SSB. Bob will concentrate on working Novices and Technicians below 28500 kHz. QSL home call. Sunrise 1150Z, sunset 2300Z.

Edited by Chod Harris VP2ML

# The DX Bulletin

America's Premier Weekly Amateur Radio Publication

**Grenada - J3** Four operators from the Michigan DX Association will be active Jan. 22-30, including the CQWW 160-meter contest. Calls are J3/K8GG, J3/W8SEY, J3/W0CD, and J37XT (W8UVZ). Outside the contest, they'll be on 160-10 meter, CW, SSB, and RTTY, emphasizing the low bands during darkness. Sunrise 1027Z, sunset 2200Z. QSL via operator's home call, with 160-meter contest J37XT cards going to W8UVZ. Bureau cards will be answered.

**Grenada - J3** Bill O'Kain K4LTA and others journey to Grenada Feb. 15-March 7, including both modes of the ARRL DX test, where they will use the call J34A. Watch 25-30 kHz up, and 7005 and 3505 kHz. For SSB, try 14195 and 14257 kHz. Slow-speed CW on 21123 kHz at 2330Z. QSL W5PWG, with SASE. Bureau cards okay.

## Reserve Your Island

■ **PJ2J** will be the multi-single call of John W1BIH (PJ9JT), Jack W1WEF, and Vince K1RM in the ARRL CW test Feb. 17-18. QSL via K1CPJ. Jack and Vince will be active PJ2/ before and after the test; QSL home calls. QSL PJ9JT via W1AX.

## Shortly Noted

- **PY0**: Three Brazilian DXers plan to catch the crew rotation ship to Trindade Island and operate there next month. Exact dates depend on Navy transportation. Operation will be limited to 30 hours, and be mainly on 10-20 meters, with some 40-meter and new band activity, around the usual DX frequencies. Operators are PP1CZ, PP1BG, and PY1YT. QSL Leo Ferreira PP1CZ, Box 2384, 29001 Vitória ES, Brazil. For more information, monitor PP1BG on 21250 kHz at 2300Z.
- **A92QL** is the Colvins on from Bahrain, where they'll be for the next few weeks. Try 5-10 kHz up on CW, and SSB nets. QSL Yasme, Box 2025, Castro Valley CA 94546.
- **VP2VE** is Lee Reisenweber. Lee is active in DX nets 21-0400Z, and 160-meter CW. QSL WA2NHA.
- **ZD7VJ** is the requested call of Andy ZD8VJ Jan. 25-26. Andy is very active, especially on CW. See Bandpass.
- **YB3ASQ** Bob will leave Indonesia mid-February. Meanwhile, he is usually on 40-meter CW around 2200Z, and tries 75/80 meters as well. He'll be in the CQWW 160-meter contest, and the ARRL CW test Feb. 17-18. QSL his home call: W7TSQ.
- **KN0E/KH3**: When Pete Grillo is on Johnston Island, he skeds his QSL manager K9UIY at 0400Z on 14030 kHz Wednesdays. He'll work callers after the sked.
- **ZS5LB** wants to finish up his WAS on 160 meters with ID, NM, and NE. Try 1832-34 kHz at 0300Z.
- **SSB Net check-ins**: 7160 kHz: LY1ZZ UQ2GJN; 14222: JX9CAA LU1ZA; 14227: UC1AWZ OD5GI 5U7NU KH2D 3DA0AH FK8FI 9J2BO 9M8FH HZ1AB VQ9DX; 14250: 3B8CF; 14256: TT8GA 5T5CK 9L1LM FT4ZE 9N1MM; 21335: 7P8DX A92QL Z21HD 6W6JX TT8GA TU2VE XT2PS A41KA AP2JZB ZD7CW VK9NS AH6HQ/TJ 5V7DP 6W7OG.
- **RTTY report**: Some active stations: BY1QH 14086 or 21090 kHz at 00-0200Z; EA9JV 28085 1715Z; TZ6VV 21087 2000Z; 9J2AL 28088 1658Z; TU2OP 14085 2330Z; TU2BB 14086 0000Z; BV2B 21091 0010-0300Z Sundays; UZ9CWA 28087 1100Z; J28TY 14090 2050Z; RT5UP 14085 0800Z; OD5SK 28087 1200Z; D44BC 21090 1445Z; HV3SJ 14091 2300Z; CT3BX 14093 0145Z; ZD8BOB 21092 1145Z; 5V7DP 21085 1500Z; 9K2KA 14086 0045Z; SV9ABG 14073 FEC 1400Z; FK8BK 14074 ARQ 0440Z; V85GA 14078 ARQ 0900Z; EL2MR 28089 1400Z; 3B8FP 21089 1930Z; ST2SA 14081 FEC 2000Z; 6W6JX 14093 2200Z; JX9CAA 14086 1100Z; TA3B 14086 1910Z; UH8ABM 14091 1220Z; FR5ZD 14080 ARQ 1900Z; 5H3NL 14098 0430Z; RL8PYL 14089 1200Z. Tom VR6TC will give RTTY QSOs on request on his SSB frequency of 21349 kHz at 0200Z.



## Propagation

### Forecast and Historical Data

Day Forecast	27 Days Before	55 Days Before
January 1990	Date Flux A K	Date Flux A K
12 High Normal	12/16 171 15/15 2	11/18 216 29/42 2
13 High Normal	12/17 181 11/11 2	11/19 235 08/09 2
14 Above Normal	12/18 189 06/07 3	11/20 229 08/09 2
15 Above Normal	12/19 193 06/06 1	11/21 231 09/10 1
16 Above Normal	12/20 194 06/06 1	11/22 224 07/06 2
17 Above Normal	12/21 195 05/08 1	11/23 219 05/00 2
18 High Normal	12/22 209 20/20 4	11/24 211 08/09 2
19 High Normal	12/23 221 12/14 2	11/25 221 01/04 1
20 High Normal	12/24 240 13/16 3	11/26 238 08/08 3
21 High Normal	12/25 272 13/11 2	11/27 246 12/14 2
22 High Normal	12/26 260 17/18 5	11/28 235 22/23 3

### Propagation Watch

Solar flux should increase over the next two weeks, as the more active side of the sun rotates in our direction. Along with the increase in solar flux, the chances of major flares and subsequent geomagnetic storms will also rise.

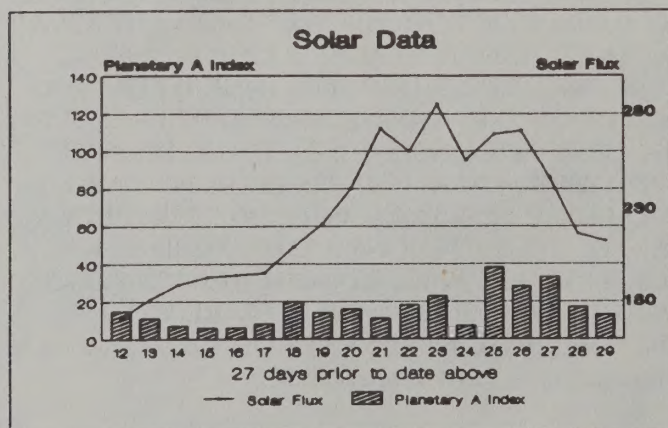
Band conditions are expected to be very good for mid-winter over the next week, with improving high-band conditions. The increasing length of the day in the northern hemisphere coupled with increasing flux should give us some very good 10-, 12-, and 15-meter openings, with a chance of some 6-meter action beginning around the 20th. Shortening skip on 10 meters is a good indicator of a 6-meter opening in the direction of the shortening skip.

The low bands continue to be very good, at least on days when the geomagnetic field is quiet. They should be especially good over the next week, as the lower solar flux should reduce absorption on the lower frequencies.

The long path on the lower bands has been very productive for the patient DXer. Low-noise receiving antennas and careful attention to grayline openings will pay off in new band-countries. The period just before and after local dawn continues to be an excellent time to work low-band DX.

The second half of January should see increasing flare activity, some of which will likely disrupt band conditions. The day or two after major flares will be poor times to chase DX on the low bands, or on long- or polar-path circuits. These will be good times to check the VHF bands for possible openings.

We are also entering the time of year when Stratwarm events can disrupt propagation over the poles. When WWV or WWVH indicate a Stratwarm in progress, abandon polar paths, and seek DX in the lower latitudes.



## Regulars

■ Algeria	7X3DA	21022	1820Z
■ Armenia	UG6GAW	20M SSB	0515Z
■ Ascension Island	ZD8VJ	14026	2230Z +
■ Asiatic RSFSR	UA9UCO	3502	1200Z
■ Guam	KH2D	7006	1230Z
■ Ivory Coast	TU2JL	14170	0440Z
■ Juan Fernandez	CE0OGZ	20M CW	0130, 0530Z
■ Kazakhstan	UL7GA	3505	1200Z
■ Kazakhstan	UL7RER	14022	0330Z
■ Liberia	EL2CX	21020	21-2400Z
■ Mayotte	FH5EJ	14020	0320Z
■ Mongolia	JT2AB	20M CW	02-0500Z
■ Mongolia	JT1CD	14008	0445Z
■ New Caledonia	FK8GJ	7005	1230Z
■ Oman	A41JV	14020	1900Z
■ South Orkneys	LU1ZA	20M CW	00-0200Z
■ Sri Lanka	4S7EA	14008	0120, 1140Z
■ Sri Lanka	4S7CF	14004	0120Z
■ Sri Lanka	4S7WP	14020	0130Z
■ Sudan	WZ6C/ST4	20M SSB	2230Z
■ Taiwan	BV2DA	28010	2345Z
■ Turkey	TA3D	7004	2200Z
■ Western Samoa	5W1KT	28510	0100Z
■ Zaire	9Q5DX	20M CW	0600Z

### Frank Anzalone W1WY - Silent Key

Frank Anzalone W1WY died Dec. 30, 1989, at the age of 87. He had been a ham for 67 years. Frank was the contest editor for CQ Magazine for more than 30 years.

### PacketCluster-DRSI Fix

Many of the more than 100 PacketCluster DX spotting nodes around the world have been plagued by mysterious 'crashes' of the Digital Radio Systems Inc.'s TNC. Jay O'Brien W6GO finally traced the problem to a HAPN TNC on the same frequency. Even a single packet sent by the HAPN TNC will crash the PacketCluster system. DRSI has modified their TNC software to prevent this problem. PacketCluster node sysops should contact Andy at DRSI for information on how to eliminate the HAPN TNC crashes.

### Banaba and Conway

As indicated in Issue 514, the ARRL DX Advisory Committee recommended the addition of Banaba (Ocean) Island T33 and Conway Reef 3D to the DXCC country list. The ARRL Awards Committee has unanimously agreed, and cards for the two new DXCC countries may be submitted on or after March 1, 1990. Cards submitted before that date will be returned without action.

The start date for Conway Reef will be the April 1989 3D2CR operation, and for Banaba/Ocean Island, it will be Nov. 15, 1945. If a DXer has credit for Western Kiribati based on an Ocean Island VR1 card from before 1979, he may resubmit that card for Banaba credit, and also send a T30 card for Western Kiribati credit.

[Comment: DXers continue to be baffled by the ARRL Awards Committee decisions about start dates. They asked for Rotuma credit for contacts prior to the independence of the parent country of Fiji, but didn't for Conway Reef. And they will accept VR1 Ocean Island credit for Banaba, again before Kiribati became independent. This is not in accordance with the DXCC rules, which require the parent country of a Point 2 DXCC country to be established by reason of Government. (DXCC emphasis.) Bizarre! -ed.]



# B . A . N . D . P . A . S . S

Key to Bandpass: Callsign, frequency, UTC, day of the month, state. \* = long path. P = packet.  
All "portable" calls listed with country of operation first, regardless of format used on the air.

RTTY				
6Y5HN	28088	1740	24	CA
9J2AL	28082	1630	5	CA
9K2C	14085	0100	11	OH
BY1QH	14092	0015	4	CA
EA9JV	28085	1720	31	OH
EL2MR	28095	1555	31	CA
HV3SJ	28082	1830	31	CA
JD1/	14088	0100	3	CA
JA3EMU Ogasawara				
PJ2MI	14079	1400	24	FL
TA3B	14083	1840	26	CA
TU2BB	14089	2243	22	NH
TZ6VV	21087	1950	31	OH
UA1ZH	14086	1225	11	OH
UQ1GWW	21088	2252	24	PA
YI1BGD	21092	1432	20	NH
ZD8BOB	21088	1151	24	FL
ZP6XDW	14089	0340	29	CA

160 Meters				
PY1RO	1835	0723	19	WA
V31BB	1836	0706	19	WA
V73AZ	1831	0721	22	WA

80 Meters				
4X1FC *	3502	1458	20	WA
5H3TW	3507	2157	28	MA
6W6JX	3504	2300	6	FL
9M2AX *	3503	2313	29	FL
HZ1AB *	3507	1459	16	WA
JA1HQT	3507	1105	30	NH
KG4SM	3503	1140	29	NH
KH2D	3506	1105	23	NH
LY2WR	3501	0120	30	OH
LY2WR *	3505	1420	21	CA
LZ2KRA *	3501	1452	16	WA
RL7GA *	3505	1207	30	MA
RR2RW *	3507	1427	25	CA
UA9CBM *	3501	1138	23	MA
UA9UCO *	3502	1152	27	MA
UL7GA	3504	1207	30	NH
UL7LB	3501	0010	23	NH
UW9YV	3507	1225	30	NH
UZ0JWA *	3514	2240	23	MA
VK6HD	3505	1214	24	WV
VK9NS	3502	1055	23	NH
VU2IN *	3501	1455	24	WA
ZD8VJ	3501	2150	28	NH

75 Meters				
5T5CK	3799	0438	12	MD
A22BW	3799	0344	2	CA
DU3/KE9A	3798	1530	24	CA
FK8FU	3798	1342	24	CA
HG4P *	3798	1457	25	CA
OY9JD	3799	1514	27	CA
SP8YA *	3789	1439	24	CA
TL8WD	3800	2224	19	MA
YU7GMN *	3798	1500	21	CA
ZS6BCR	3792	0327	21	CA

40 Meters				
4S7WP	7001	2258	2	FL
6W1PZ	7003	2320	24	FL
9J2BO	7003	0425	29	IL
BV2DA	7002	1220	21	NB
BY4RB	7006	1221	22	MA
DU3/	7012	2203	19	MA
KE9A *				
EA6ZY	7002	2258	2	FL
EA9EO	7003	2320	3	FL
FK8FS	7003	0704	30	FL
FK8FU	7006	1330	24	IL
FK8GJ	7001	1234	25	PA

J8/	7005	2237	3	FL
VE3CPU				
JS8AAA	7002	0108	6	FL
KH2D	7006	1233	28	MA
PZ1DV	7002	0320	4	FL
RL7AB *	7002	1504	25	WA
SV0MY/8	7005	0100	31	FL
TA1AZ	7005	2218	25	FL
TA2AO	7015	0430	25	NH
TA3D	7005	2210	4	FL
UA2FGP	7003	0215	28	FL
UB4LWA *	7163	1420	23	OR
UG6GAW	7003	0330	19	OH
UG6GAW	7011	2225	27	FL
UL7LBW *	7009	1539	16	WA
UP1BZO *	7005	1415	25	OR
UR1RWX	7006	1310	21	NB
UZ2FWA *	7003	1432	27	OR
VK9NS	7002	1150	22	OH
VU2PTT	7012	0205	30	FL
ZD8VJ	7002	0050	31	ID

20 Meter CW				
3A2LF	14021	1812	19	NB
3B8CF	14031	0324	24	GA
3B8DA	14025	0221	16	MI
3DA0BK	14025	0010	17	NC
4S7CF	14003	0125	5	FL
4S7EA	14009	0120	18	MI
4S7EA	14008	1138	15	MA
4S7WP *	14016	0120	19	CA
6W1AAD	14029	0053	6	FL
8Q7BX	14014	0255	6	FL
9M2AX	14030	0036	15	MI
9N0JLY	14025	0317	6	FL
9Q5DX	14029	0649	24	ID
9V1YC	14026	2351	19	NH
A41JV	14020	1915	24	NB
AP2MC	14026	1212	17	VA
BV2A	14027	1338	19	IL
BV2DA	14026	1314	19	NH
BV4QA	14025	1444	25	FL
CE0OGZ	14008	0128	20	FL
CE0OGZ	14026	0525	21	CA
CE9AA	14014	0248	20	MA
FH5EJ	14023	0323	4	FL
FP5HL	14021	2038	31	FL
FR4FD	14006	1352	30	FL
FR5ZD	14037	0335	6	FL
JT1BJ	14034	0306	25	FL
JT1CD	14006	0441	22	MA
JT1CS	14023	0219	5	FL
JT2AB	14014	0153	27	GA
JT2KAA	14006	0126	5	FL
LU1ZA	14022	2353	26	NH
PZ1DT	14031	0334	24	GA
R18OA	14025	0203	19	VA
R18OA	14017	1045	18	FL
S01MZ	14036	2103	24	NY
ST2/	14018	1916	15	MD
G4WYG				
TR8XX	14034	1914	1	FL
TU2MA	14033	0155	11	OH
TU2OP	14017	0024	27	MI
UA1O/	14015	0123	26	FL
UB5MAL				
UA1O/	14006	0251	6	FL
UW1ZC	14013	1240	21	FL
UA1O/	14039	2231	24	WV
UA0BCA				
UH8BBU	14041	1556	24	WA
UJ8JX	14033	1249	26	GA
UJ8KA	14004	0637	25	FL
UL7RER	14018	0337	24	CA
UL8GWW	14023	1330	26	FL
VQ9DM	14021	0235	19	FL

VQ9DM	14025	1525	17	NH
VQ9DX	14024	1339	30	FL
VS6WV	14024	1410	27	MI
VU2LX	14025	0124	20	MI
VU2TEC	14020	0150	20	FL
Z21CA	14035	0425	28	IL
ZD7KM	14018	2000	24	MA
ZD8VJ	14025	2220	27	MA

20 Meter SSB				
3B8CF	14246	0256	18	OR
5N9ABY	14295	0530	21	OR
5U7NU	14175	2300	25	YB
7P8DX	14161	0426	24	OR
9X5NH	14201	2014	17	NH
A41KJ *	14176	1315	28	OH
A41KL	14199	1327	27	MI
CN8LS	14164	0434	24	CA
EL2WK	14206	0455	23	OR
FH8CL	14206	0350	24	OR
FR5ZD	14200	0254	29	OH
HS1BV	14211	2040	25	OR
HZ1AB	14250	0548	28	MI
JT1BV	14197	0230	29	OH
KC4USV	14178	0600	21	OR
OD5BU	14158	0505	24	OR
OY9JD	14335	1436	16	NH
ST4/WZ6C	14192	2230	26	NY
TA1TE	14159	2225	28	NC
TU2JL	14175	0440	23	CA
UG6GAT	14243	0515	25	OR
UH8EA	14191	0320	24	CA
UI8ZAC	14176	0425	29	OH
UJ8KA	14178	0422	16	OR
UL7VW	14237	0316	24	CA
VQ9DX	14171	0330	21	OH
VQ9DX	14201	1225	26	MA
VQ9IF	14182	2005	24	OR
VS6WS	14198	1535	25	IL
VS6WV	14196	0000	20	NC
VU2GI	14226	0230	22	GA
VU2NPR	14195	2150	18	NC
VU2WAP *	14164	0200	24	CA
ZD8VJ	14208	2325	25	CA
ZS8MI	14240	1400	24	MA

17 Meter CW				
HB0HTB	18070	1857	25	VT
HZ1HZ	18076	1645	22	NH

15 Meter CW				
3B8FQ	21008	2025	21	WA
7X3DA	21029	1815	24	NH
A41JV	21028	1635	31	FL
BY4RB	21028	0138	23	MI
CE0OGZ	21023	2238	29	FL
EL2CX	21032	2101	16	NH
EL2FA	21040	2137	23	NH
EL7X	21026	2321	15	NH
FR4FD	21024	1937	26	FL
LU1ZA	21009	0053	4	FL
LU2ZC	21018	0014	23	MA
PZ1CP	21020	0202	23	AZ
RV0YF	21010	0213	23	BC
UL7GE	21006	0330	29	GA
VU2KER	21026	0030	24	CA
Z21HD	21041	2143	23	NH
ZD8VJ	21027	2059	13	MA

15 Meter SSB				
5W1KT	21220	0325	30	OH
5Z4BI	21237	2020	24	NY
5Z4FO	21233	2054	24	MA
7P8EB	21196	1847	30	NH
7X4AN	21295	2003	17	OR
BY5RA	21230	0043	21	NH
CN8VE	21260	1840	25	PA

S79D	21345	2006	17	OR
TJ/	21362	1941	16	VA
AH6HQ				
TU2QQ	21291	0530	16	YB
TZ6VV	21269	1710	19	VA
UG6GWB	21244	1401	15	MD
UH8AAQ	21335	1509	21	VA
VQ9IF	21311	1846	26	MI
Z21CW	21209	1928	24	OR
ZD8BOB	21224	2148	29	MI
ZD8VJ	21287	2228	18	NH

12 Meters				
HZ1HZ	24905	1545	22	NH
SV2AVP	24899	1604	26	WV

10 Meter CW				
6W1QB	28024	1418	19	NB
6W6JX	28038	1340	14	NH
6W6JX	28020	2318	25	NH
7X2AX	28001	1703	25	FL
8R1J	28033	2043	25	MI
9J2AL	28027	1738	10	OH
9Q5DX	28037	1215	25	MA
BV2DA	28010	2345	27	MI
BV2FA	28011	0005	27	ID
EL7X	28030	1310	29	FL
ES0ZA	28010	1540	6	FL
ES1AR	28021	1411	1	FL
FK0BJ	28033	2251	18	VA
FK0BM	28019	0049	24	CA
FR4FD	28014	1215	17	FL



## FIRST CLASS MAIL

## Calendar

Issue 520 - January 12, 1990

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(Changes and hot info in boldface.)

Algeria - 7X 7X3DA 21022 1820Z I520  
Armenia - UG UG6GAW 20M SSB 0515Z I520  
Ascension Is. - ZD8 ZD8JV 14024/0000Z 3503/22Z I519  
Bahrain - A9 A92QL through Jan. I520  
Belize - V3 V31BB 1832 0300Z I518  
Benin - TY TY0AS Jan. 5-20 I519  
Bouvet - 3Y 3Y5X Now-Jan. 13 I519  
Brunei - V85 V85DA 14027/7002 2200Z I519  
Cameroon - TJ TJ1PD 21365 1900Z Weds. I517  
N3CRH/TJ 10M SSB 18-2200Z I519  
Cayman Is. - ZF ZF2OR, OS/ZF8 Jan. 15-22 I520  
Chagos - VQ9 VQ9DM 14025/0230, 1530Z I519  
Chatham Is. - ZL7 ZM7VS Jan. 16-30, 1990 I505  
China - BY BZ4WH 21027 0145Z I519  
BY4RB 3504 1300Z I519  
Dodecanese - SV5 SV5TS 28525 1400Z I518  
Faroes - OY OY9JD 28489 or 21289 1600Z I518  
Gambia - C5 C53FJ 21230 2200Z I519  
Grenada - J3 Jan 22-30, CQWW 160M I520  
Feb. 15-Mar. 7 K4LTA I520  
Guam - KH2 KH2D 7006 1230Z I520  
India - VU VU2IOC 14017 long path 1230Z I518  
Iraq - YI YI1BGD 28540 1200Z I519  
Ivory Coast - TU TU2JL 14170 0440Z I520  
Juan Fernandez - CE0 CE0OGZ 14008/0130 21017/0030 I519  
Kazakhstan - UL UL7GA 3505/1200Z I520  
UL7RER 14022/0330Z I520  
Lebanon - OD OD5VT 3799 2230Z I518  
Lesotho - 7P 7P8EG 3795 0330Z I519  
Liberia - EL EL7X 14010/2330Z 21015/22Z I519  
Maldives - 8Q by F6EEM, F6FYP Jan. 12-17 I516  
8Q7AH Feb. 2-16 I519  
Marianas - KH0 AH0F Jan. 26-29, CQ 160M I516  
Marshall Is. - V7 V73AZ 1834/07Z 7007/12Z I519  
Mauritania - 5T 5T5SR 21340 07-1100Z I519  
Mauritius - 3B 3B8CF 18080/0230Z 14030/0330Z I519  
Mayotte - FH FH5EJ 28030/16Z 14023/03Z I517  
Mongolia - JT JT1CD 14008 0445Z I520  
JT2AB 14021 0230Z I519  
Netherlands Antilles PJ2J ARRL CW test I520  
New Caledonia - FK FK8GJ 7005 1230Z I520  
Oman - A4 A41KV 14020 1900Z I520  
Paraguay - ZP ZP6XDW 14026 0430Z I518  
Pitcairn - VR6 Bicentennial VR200PI/ I519  
Puyallup Tribe - PTI K7SS/PTI Jan. 13-14 I519

Rotuma - 3D  
St. Helena - ZD  
  
St. Vincent - J8  
Saudi Arabia - HZ  
Singapore - 9V  
South Orkneys - VP8  
South Shetlands  
Sri Lanka - 4S  
Sudan - ST  
  
Swaziland - 3DA  
Taiwan - BV  
  
Tanzania - 5H  
Trinidad - PY0T  
Turkey - TA  
Uzbekistan - UI  
Vanuatu - YJ

Walvis Bay - ZS9 ZS9A 28610 1615Z M, Th, S I514  
West Malaysia - 9M 9M2AX 3502/1200Z and 2230Z I519  
Western Samoa - 5W 5W1KT 28510 0100Z I520  
Willis Is. - VK9 VK9TR 14226 1100Z Friday I519  
Zaire - 9Q 9Q5DX 20M CW 0600Z I520  
Zone 23 RV0YF 14008 0200Z I519

## DX Activities and Contests

Date	Event or Activity	Info
Jan. 26-28	CQWW 160-Meter Contest	CQ
Feb. 17-18	ARRL CW DX Test	QST

## Contributors

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